

AMENDMENTS TO THE CLAIMS

LISTING OF THE CLAIMS

This listing of the claims replaces all prior versions and listings of the claims in the application.

1-57. (Canceled)

58. (Currently Amended) ~~[[A_n]]~~ A single assay device for distinguishing a leukemia of T-cell, B-cell, or myeloid lineage in a subject, said device comprising

~~[[a)]~~ a derivatised solid support selected from the group consisting of glass, cellulose, ceramic material, nitrocellulose, polyacrylamide, nylon, polystyrene, polystyrene derivatives, polyvinylidene difluoride, methacrylate, methacrylate derivatives, polyvinyl chloride, and polypropylene; and

~~[[b)]~~ an array of immunoglobulin molecules[[;]] or antigen-binding fragments thereof[[;]] immobilized in discrete regions on the derivatised solid support, wherein the immunoglobulin molecules[[;]] or antigen-binding fragments thereof[[;]] are specific for single distinct cell surface marker antigens comprising at least CD3, CD4, CD8, CD14, CD19, and CD56 on a leukocyte[[;]] such that specific binding of the immunoglobulin molecule[[;]] or antigen-binding fragment thereof[[;]] of each discrete region to its respective distinct leukocyte cell surface marker antigen provides a pattern of cell binding on ~~[[a_n]]~~ the array of discrete regions, each being specific for a single cell surface marker presented only once in the array, of the different leukocyte cell surface marker antigens comprising at least CD3, CD4, CD8, CD14, CD19 and CD56, that distinguishes leukemias of T-cell, B-cell, or myeloid lineage.

59-70. (Canceled previously)

71. (Currently Amended) The single assay device of Claim 58, wherein the immunoglobulin molecules[[;]] or antigen-binding fragments thereof[[;]] of the array are immobilized to the ~~derivatised~~ solid support by covalent binding to the solid support or wherein the immunoglobulin molecules or antigen-binding fragments thereof[[;]] of the array are immobilized to the ~~derivatised~~ solid support by binding to a recombinant, truncated protein G that is first coated on the ~~derivatised~~ solid support.

72. (Canceled previously)

73. (Currently amended) The single assay device of Claim 58, wherein the immunoglobulin molecules are monoclonal antibodies.

74. (Currently amended) The single assay device of Claim 58, wherein the immunoglobulin molecules are polyclonal antibodies.

75. (Currently amended) The single assay device of Claim 58, wherein the array of the assay device comprises immunoglobulin molecules.

76. (Currently amended) The single assay device of Claim 58, wherein the array of the assay device comprises antigen-binding fragments of the immunoglobulin molecules.

77. (Currently amended) The single assay device of Claim 58, wherein the ~~derivatised~~ solid support comprises a nitrocellulose-coated glass slide.

78. (New) The single assay device according to claim 58, wherein the solid support further contains, in addition to immunoglobulin molecules specific for the single cell surface marker antigens CD3, CD4, CD8, CD14, CD19 and CD56 of claim 28, discrete regions of immunoglobulin molecules specific for single cell surface marker antigens of a T cell, B cell, or myeloid lineage consisting of CD2, CD5, CD7, CD9, CD10, CD11b, CD11c, CD13, CD15, CD16, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42, CD45, CD57, CD95, and CD122.

79. (New) The single assay device according to claim 58, wherein the solid support, in addition to immunoglobulin molecules specific for the single cell surface marker antigens CD3, CD4, CD8, CD14, CD19 and CD56 of claim 28 further contains immunoglobulins specific for antigens mIgG1, CD2, CD5, CD7, CD9, CD10, CD11b, CD11c, CD13, CD15, CD16, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42a, CD45, CD45RA, CD45RO, CD52, CD57, CD61, CD71, CD95, CD103, CD117, CD122, CD154, GPA, HLA-DR, KOR, and FMC7.

80. (New) The single assay device according to claim 58, wherein the solid support, in addition to immunoglobulin molecules specific for the single cell surface marker antigens CD3, CD4, CD8, CD14, CD19 and CD56 of claim 28, further contains immunoglobulins specific for antigens mIgG1, mIgG2a, mIgG2b, mIgM, CD2, CD5, CD7, CD9, CD10, CD11b, CD11c, CD13, CD15, CD16, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42a, CD45, CD45RA, CD45RO, CD52, CD57, CD 60, CD61, CD71, CD79a, CD95, CD103, CD117, CD122, CD154, GPA, HLA-DR, KOR, FMC7, and anti-hIg.

81. (New) The single assay device according to claim 58, wherein the solid support, in addition to immunoglobulin molecules specific for the single cell surface marker antigens CD3, CD4, CD8, CD14, CD19 and CD56 of claim 28, further contains immunoglobulins specific for antigens mIgG1, CD2, CD5, CD7, CD9, CD10, CD11b, CD11c, CD13, CD15, CD16, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42a, CD45, CD45RA, CD45RO, CD52, CD57, CD60, CD61, CD71, CD79a, CD95, CD103, CD117, CD122, CD154, GPA, HLA-DR, KOR, FMC7, and anti-hIg.

82. (New) The single assay device according to claim 58, wherein the solid support, in addition to immunoglobulin molecules specific for the single cell surface marker antigens CD3, CD4, CD8, CD14, CD19 and CD56 of claim 28, further contains immunoglobulins specific for antigens mIgG1, CD2, CD5, CD7, CD9, CD10, CD11b, CD11c, CD13, CD15, CD16, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42a, CD44, CD44v3-10, CD44v6, CD45, CD45RA, CD45RO, CD52, CD57, CD60, CD61, CD71, CD79a, CD95, CD103, CD117, CD122, CD154, GPA, HLA-DR, KOR, FMC7, mIgG2a, mIg2b, and mIgM.

83. (New) The single assay device according to claim 58, wherein the solid support, in addition to immunoglobulin molecules specific for the single cell surface marker antigens CD3, CD4, CD8, CD14, CD19 and CD56 of claim 28, further contains immunoglobulins specific antigens mIgG1, CD2, CD5, CD7, CD9, CD10, CD11b, CD11c, CD13, CD15, CD16, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42a, CD44, CD44v3-10, CD44v6, CD45, CD45RA, CD45RO, CD52, CD57, CD60, CD61, CD64, CD71, CD79a, CD79b, CD95,

CD103, CD117, CD122, CD134, CD138, CD154, Kappa, Lambda, GPA, HLA, KOR, FMC7,
Anti-Ig, and IgG2a